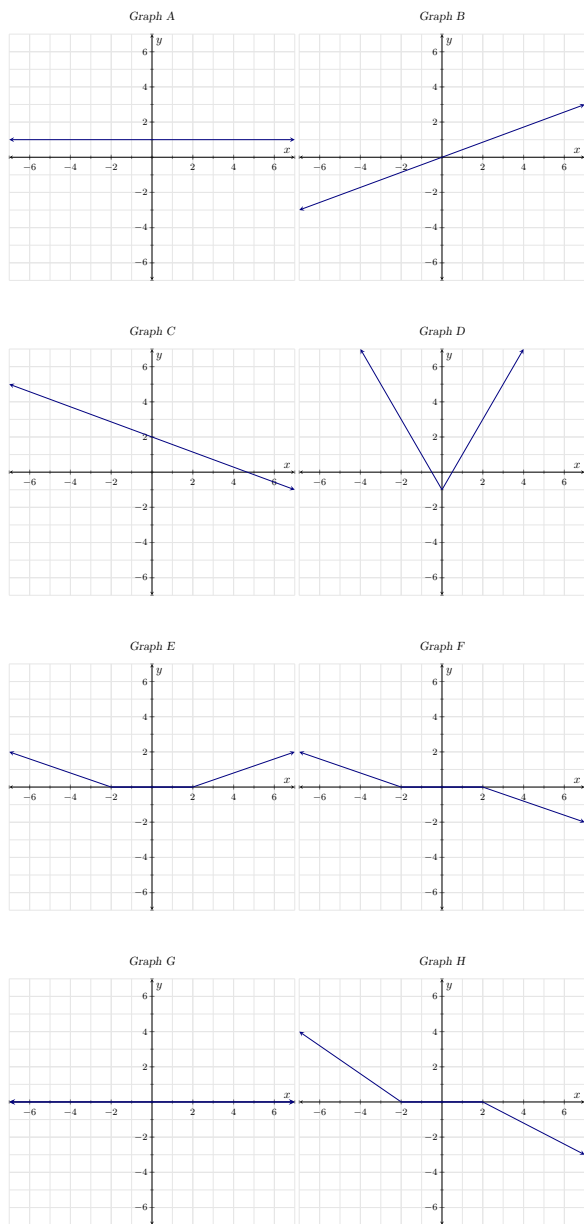**Exercise 1** *Look at the following graphs of functions. Assume that all the important behavior of the functions is shown on the graphs below.*

Graph A

Graph B

Graph C

Graph D

Graph E

Graph F

Graph G

Graph H

(a) *The function corresponding to Graph A is*

   Multiple Choice:

(i) *neither even nor odd.*

(ii) *even, but not odd.* ✓

(iii) *odd, but not even.*

(iv) *both even and odd.*

(b) *The function corresponding to Graph B is*

Multiple Choice:

(i) *neither even nor odd.*

(ii) *even, but not odd.*

(iii) *odd, but not even.* ✓

(iv) *both even and odd.*

(c) *The function corresponding to Graph C is*

Multiple Choice:

(i) *neither even nor odd.* ✓

(ii) *even, but not odd.*

(iii) *odd, but not even.*

(iv) *both even and odd.*

(d) *The function corresponding to Graph D is*

Multiple Choice:

(i) *neither even nor odd.*

(ii) *even, but not odd.* ✓

(iii) *odd, but not even.*

(iv) *both even and odd.*

(e) *The function corresponding to Graph E is*

Multiple Choice:

(i) *neither even nor odd.*

(ii) *even, but not odd.* ✓

(iii) *odd, but not even.*

(iv) *both even and odd.*

(f) *The function corresponding to Graph F is*

Multiple Choice:

   (i) *neither even nor odd.*

  (ii) *even, but not odd.*

 (iii) *odd, but not even.* ✓

 (iv) *both even and odd.*

(g) *The function corresponding to Graph G is*

    Multiple Choice:

   (i) *neither even nor odd.*

  (ii) *even, but not odd.*

 (iii) *odd, but not even.*

 (iv) *both even and odd.* ✓

(h) *The function corresponding to Graph H is*

    Multiple Choice:

   (i) *neither even nor odd.* ✓

  (ii) *even, but not odd.*

 (iii) *odd, but not even.*

 (iv) *both even and odd.*